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number : **2001-403125**(71) **SAKATA CORP**  
Applicant :(22)Date of filing : **26.12.2001**(72)Inventor : **UENO YOSHIKI  
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HASHIMOTO ARIYOSHI****(54) WATER-BASED, INK-JET PRINTING INK COMPOSITION**

(57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a pigment-based and water-based, ink-jet printing ink composition which has water resistance and weatherability and also is excellent in print quality such as blurriness equal or superior to a dyestuff-based one and as clearness and in drying characteristics.

**SOLUTION:** The water-based ink-jet printing ink composition comprising mainly a pigment, a water-based resin, a basic compound and a water-based medium, is characterized in that the ink composition contains additionally an alkylene oxide adduct of 2-butyl-2-ethyl-1,3-propanediol; and the water-based ink-jet printing ink composition is characterized in that the amount used of the above alkylene oxide adduct of 2-butyl-2-ethyl-1,3-propanediol is 0.1-5 wt.% relative to the ink composition; and also the water-based ink-jet printing ink composition is characterized in that the above alkylene oxide adduct of 2-butyl-2-ethyl-1,3-propanediol has an added molar number of 2-50.